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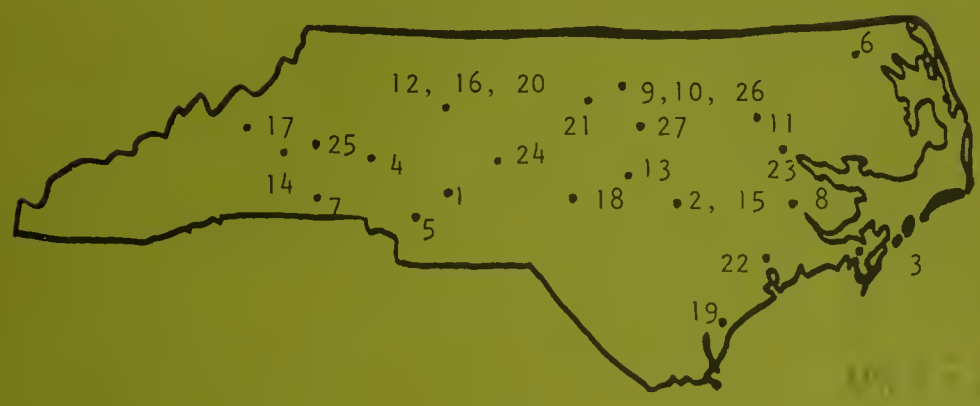
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NORTH CAROLINA CANCER REGISTRY

ANNUAL REPORT

1975



PARTICIPATING CANCER PROGRAMS

CABARRUS MEMORIAL HOSPITAL	1	HIGHSMITH-RAINEY HOSPITAL	15
CAPE FEAR VALLEY HOSPITAL	2	MEDICAL PARK HOSPITAL	16
CARTERET GENERAL HOSPITAL	3	MEMORIAL MISSION HOSPITAL	17
CATAWBA MEMORIAL HOSPITAL	4	MOORE MEMORIAL HOSPITAL	18
CHARLOTTE MEMORIAL HOSPITAL	5	NEW HANOVER MEMORIAL HOSPITAL	19
CHOWAN HOSPITAL	6	N.C. BAPTIST HOSPITAL	20
CLEVELAND MEMORIAL HOSPITAL	7	N.C. MEMORIAL HOSPITAL	21
CRAVEN COUNTY MEMORIAL HOSPITAL	8	ONslow MEMORIAL HOSPITAL	22
DUKE HOSPITAL	9	PITT COUNTY MEMORIAL HOSPITAL	23
DURHAM COUNTY GENERAL HOSPITAL	10	RANDOLPH HOSPITAL	24
EDGECOMBE GENERAL HOSPITAL	11	VALDESE GENERAL HOSPITAL	25
FORSYTH MEMORIAL HOSPITAL	12	VETERANS ADMINISTRATION HOSPITAL	26
GOOD HOPE HOSPITAL	13	WAKE COUNTY MEDICAL CENTER	27
GRACE HOSPITAL	14		

NORTH CAROLINA CANCER REGISTRY

ANNUAL REPORT

1975

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EDNA P. RAYNOR - ADMINISTRATIVE ASSISTANT

RAY SHACKELFORD - ADMINISTRATIVE ASSISTANT

HORTENSE MASSEY - STATISTICAL ASSISTANT

DIANNE A. COUNCIL - SECRETARY

NORTH CAROLINA DEPARTMENT OF HUMAN RESOURCES

DIVISION OF HEALTH SERVICES

CHRONIC DISEASE BRANCH


W. Burns Jones, Jr., M.D., M.P.H., Head

Post Office Box 2091

PUBLIC HEALTH STATISTICS BRANCH

Charles J. Rothwell, Head

Raleigh, North Carolina 27602



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NORTH CAROLINA CANCER REGISTRY

Responding to numerous requests from physicians throughout the state, in 1968 the Governor's Commission To Study The Cause And Control Of Cancer In North Carolina asked the North Carolina Regional Medical Program to sponsor development of a central cancer registry. Initial funding for the project was provided by R.M.P., and administrative and fiscal responsibility for the registry was later assumed by the Division of Health Services in 1970-71.

The purpose of the North Carolina Cancer Registry is to facilitate improvement of cancer patient care by helping hospitals establish and operate cancer registries as a part of their total cancer programs. The central registry provides the hospital registries with abstract and follow-up forms, trains hospital registrars, provides annual and special reports, and is an important source of data for clinicians, epidemiologists, medical schools and health departments. Each year requests increase for information concerning the demographic characteristics, diagnosis, treatment, and survival rates of cancer patients. Consequently, as more and more cases are accessed into the central registry data bank, it becomes an increasingly valuable resource for meeting this demand.

The North Carolina Cancer Registry sponsors an annual Cancer Registry Symposium (when funds are available) to which liaison physicians and hospital registrars from all local registries in the state are invited. Lectures are presented by cancer authorities on specific types and sites of cancer. Panel discussions are conducted which allow participants to review

cancer programs in their hospitals and to discuss problems. Abstracting and follow-up workshops are also provided for the registrars.

There are 23 hospitals currently participating in the Registry, although data has not been accessed for 1974 and 1975 from two medical centers because the development of new computer systems at the medical centers has caused delays; however, we are hopeful that these several thousand cases can be accessed with the 1976 data for next year's annual report. Although the Registry cannot provide statewide cancer incidence data, it does provide a good sample of the cancer experience in North Carolina.

The central registry will continue to do a periodic "death-match," a procedure matching registry patients with the death certificates in the Vital Records Branch. Hospital registrars are notified of patient deaths from their hospital cases, which saves time and effort of searching for the information on the deaths and allows for cancer deaths to be recorded as soon as possible, thus improving the quality of survival data by keeping it more current.

In 1976 an Advisory Council To Study The Cause And Control Of Cancer became active. The Council, appointed by the Secretary of Human Resources, serves in much the same capacity as did the Governor's Commission, which was dissolved in 1973. The current chairman of the Council is Dr. James F. Newsome of Chapel Hill, and one of the first priorities of the Council has been the study of the central registry, focusing on ways to improve its overall effectiveness. Toward this end, the Council has established an ad hoc subcommittee chaired by Dr. Margaret Nelsen of Chapel Hill, and including Dr. David Deubner of Durham and Dr. Michael Sterchi of Winston-Salem, who are visiting some of the registry hospitals with

central registry staff to provide special reports and increased involvement of the local medical staff in their hospital registries. The subcommittee has also been very active in the planning and program presentation of the 1977 Cancer Registry Symposium at Southern Pines.

A special feature of this year's annual report is a map of the ascertainment pattern of the central registry obtained by matching the registry file with 1975 resident cancer deaths. Dr. Deubner has written the description which accompanies the map.

We wish to express special thanks to the Public Health Statistics Branch for its continued support and activity in behalf of the central registry; without the efforts of those workers, the registry could not exist. We are grateful for the interest and direction provided by Dr. Newsome and the Council, and especially for the appointment of the hard-working ad hoc subcommittee. The North Carolina Division, American Cancer Society has provided so much encouragement and support to the registry over the years that it seems as if the A.C.S. is just another member of the registry family; we continually rely upon and are indebted to the A.C.S. staff.

The Annual Report is composed of three sections: Section I deals with the utilization of the central registry; Section II contains the annual and cumulative tables for the total registry experience; Section III is available only to those individual hospitals providing registry data and is composed of annual and cumulative tables.

REGISTRY HOSPITAL LIAISON PHYSICIANS AND LOCAL CANCER REGISTRARS

Cabarrus Memorial Hospital
(Inactive, 1973)

Carteret General Hospital
(Inactive, 1974)

Catawba Memorial Hospital
Ira E. Bell, M.D.
Brenda Martin

Charlotte Memorial Hospital
Harold Hamit, M.D.
Julia Hatch
Debbie Smith

Chowan Hospital
Landis Voigt, M.D.
Mary Simpson

Cleveland Memorial Hospital
Avery McMurry, M.D.
Connie Davis

Craven County Hospital
James N. Blackerby, M.D.
Alice Parkerson
Doris Garner

Cumberland County Hospital Authority
Charles Wells, M.D.
Betty Lou Whitman

Duke Hospital
John Laszlo, M.D.
Lou Woods

Durham County General Hospital
James Davis, M.D.
Blanche Sellars

Edgecombe General Hospital
James M. Kelsh, M.D.
Joyce Winchester

Forsyth Memorial Hospital
Elms L. Allen, M.D.
Doris Moore
Wanda Manuel

Good Hope Hospital, Inc.
E.S. Dummit, M.D.
Susan Tripp

Grace Hospital, Inc.
(Inactive, 1975)

Medical Park Hospital
Robert E. Nolan, M.D.
Lori Zollicoffer

Memorial Mission Hospital
(Inactive, 1973)

Moore Memorial Hospital
David G. Allen, M.D.
Sister Anne Marie

New Hanover Memorial Hospital
Lockert Mason, M.D.
Katherine Watts

N.C. Baptist Hospital
Charles L. Spurr, M.D.
Delores Synder
Sherry Smith

N.C. Memorial Hospital
James F. Newsome, M.D.
Jean Burnette

Onslow Memorial Hospital
Walter D. Gable, M.D.
Ellen Bowen
Del Murphy

Pitt County Memorial Hospital
Howard Gradis, M.D.
Shelba Swiggard

Randolph Hospital
E.D. Shackelford, M.D.
Elizabeth Thompson

Valdese General Hospital
E.R. White, M.D.
Gennie Bost
Agnes R. Burns
Louise Garrison

V.A. Hospital
R.W. Postlethwait, M.D.
Betty Howell

Wake County Medical Center
Laurin J. Kaasa, M.D.
Lynn Hawkins

SECTION I

**UTILIZATION
OF THE
REGISTRY**

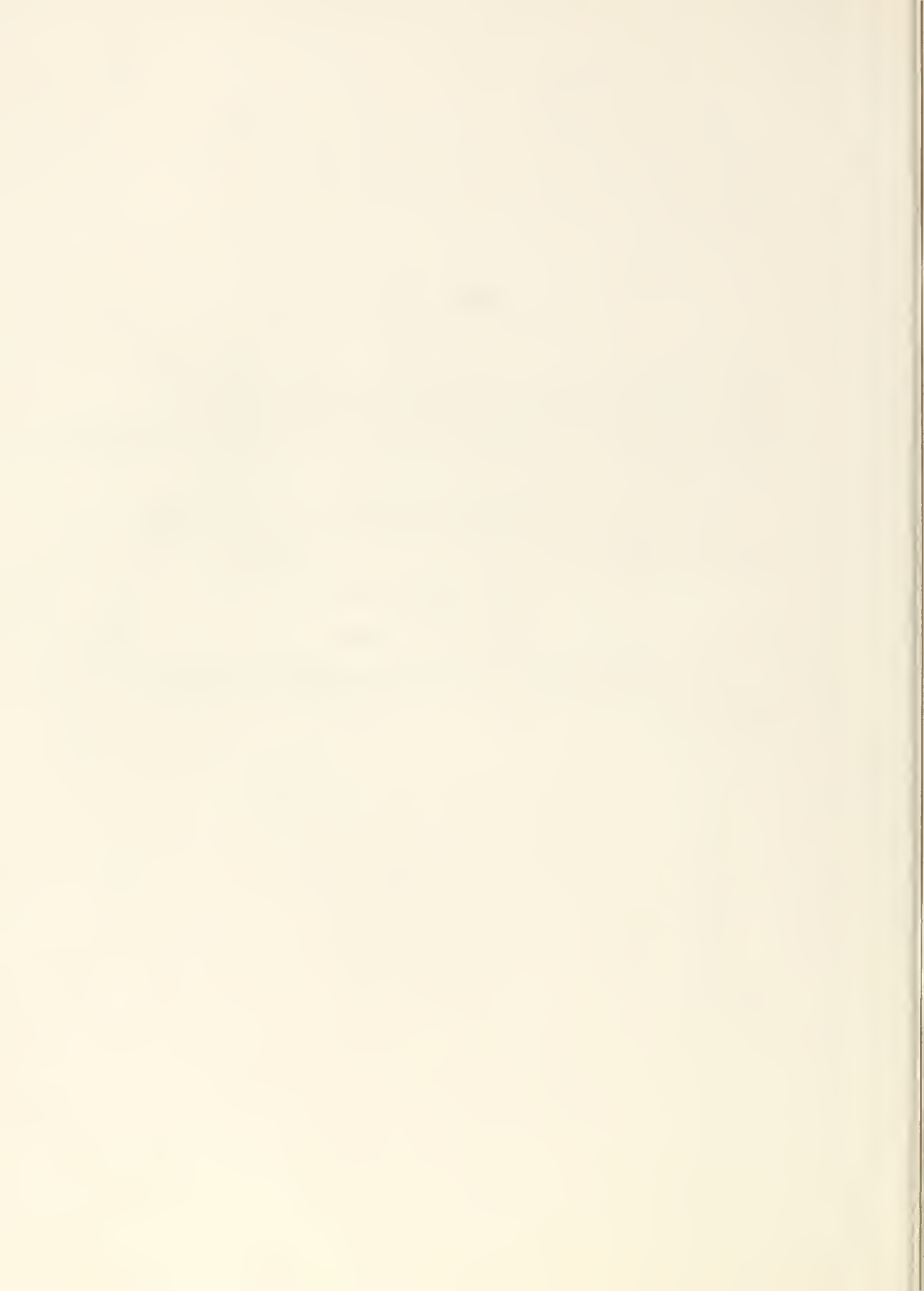
UTILIZATION OF THE CENTRAL REGISTRY

The Cancer Registry is an extremely valuable resource in cancer research and program planning. A central registry is particularly useful because the amount of cancer data generated by individual hospitals is often too limited to be statistically reliable. Also, through data processing, rapid tabulation and analysis of cancer data can be provided to the participating hospitals.

The staff of the Cancer Registry welcomes special requests for cancer data. These data are provided free of charge. Such requests, preferably in writing, should be directed to:

Cancer Program Manager
P.O. Box 2091
Raleigh, N.C. 27602

The following list of special requests received during the last year serves as an example of the kinds of data the Registry can provide.



LIST OF SPECIAL REQUESTS

1. Special study of five leading sites of cancer for 1974 compared to same for 1970-1973 cumulative for a local hospital.
2. Cancer morbidity by site of disease for North Carolina residents made by Region L, Area Health Planning.
3. Incidence of head and neck cancers by county of residence with accompanying surgical procedures. Duke University Medical Center.
4. Special study of colon-rectum cancer. Bowman Gray School of Medicine.
5. Surgical procedures for breast cancer patients at six selected hospitals.
6. Comparison of 1974 discharges at a local hospital with same for all registry hospitals combined.
7. Diagnostic listing by stage of disease and treatment for a local hospital.
8. Number of single and double mastectomies in North Carolina per year, Hanes Corporation.
9. Analysis of cervical cancer showing stage, treatment, and survival at a local hospital and for North Carolina.
10. Survival rates for cancer of breast and cervix by stage.
11. Special study of ovarian cancer. Bowman Gray School of Medicine.
12. Special study of ovarian cancer for eight selected hospitals.
13. Special study of five leading sites of cancer at a metropolitan hospital.
14. Study of cancer of the endometrium in North Carolina by year and age. North Carolina Memorial Hospital.
15. Incidence of five leading sites of cancer for a local hospital.
16. Median age of cervical cancer patients by stage of disease and survival by stage.
17. Study of colon-rectum cancer for a local hospital.
18. Investigation of childhood rhabdomyosarcoma. Duke University Medical Center.
19. Incidence of cancer for ten selected counties in North Central North Carolina.

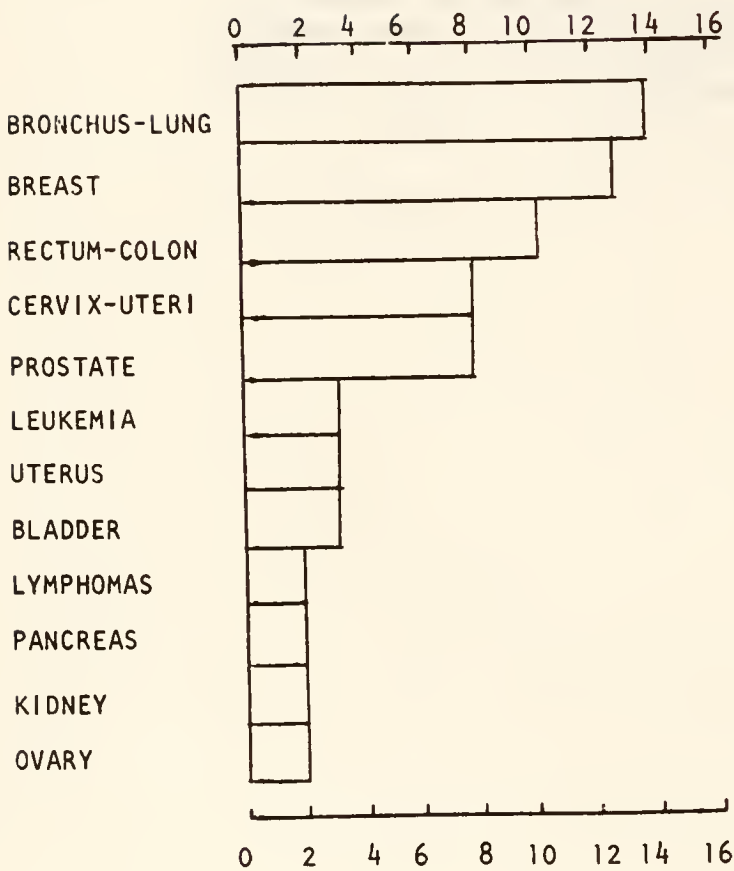
20. Histological types of cancer for cancer of the nasal passage by geographical region. University of North Carolina School of Medicine.
21. Survival rates for cervical cancer patients treated with radium implantation versus surgery.
22. Survival rates for the leading sites of cancer at a local hospital.
23. Number of laryngectomies performed in North Carolina in 1975. Duke University Medical Center.
24. Incidence of cancer by site of disease for five selected counties in North Carolina. DuPont, Incorporated.
25. Survival for regional disease by treatment for all solid tumors. N.C. Division of Health Services.
26. Percentage of all cancer patients having surgery which caused facial ablation. Duke University Medical Center.
27. Survival rates for choriocarcinoma. N.C. Division of Health Services.

The two graphs on the following page illustrate the twelve leading sites reported to the Central Registry in 1974 and 1975. As can be seen in both graphs, bronchus-lung is the most common site of cancer reported. Breast and rectum-colon are the second and third leading sites. Prostate moved to fourth leading site for 1975. Skin melanoma and brain appeared in the twelve leading sites in 1975 after not appearing in 1974.

Also included in this section are copies of the abstract and follow-up forms used by the Hospital Cancer Registry. These documents indicate the type of information sent to the Cancer Registry on each case recorded by the registrars at the participating hospitals.

LEADING PRIMARY SITES REPORTED TO NORTH CAROLINA CANCER REGISTRY

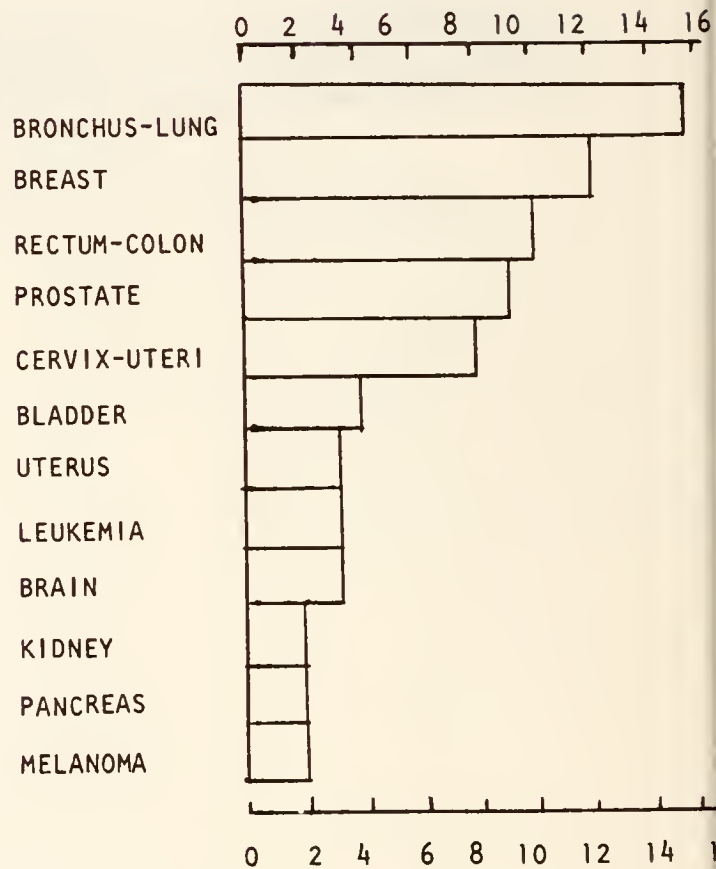
1974



PERCENT OF TOTAL CASES

Based on 4,690
unduplicated cases

1975



PERCENT OF TOTAL CASES

Based on 4,874
unduplicated cases

OBSERVED SURVIVAL RATES FOR THE FIVE LEADING SITES
OF CANCER BY STAGE OF DISEASE

The following survival graphs display observed survival as opposed to relative survival among the patients studied.

The "observed survival rate" is a measure of the percentage of patients alive at the end of a specified interval of observation after the date of diagnosis. The survival rate observed in a group of patients reflects mortality not only from cancer but also from all other causes. The risk of dying from causes other than the specific cancer under study varies with length of observation, with the sex and age characteristics of the patient group, and with calendar time.

The "relative survival rate" adjusts for "normal" mortality and thus makes possible meaningful comparisons of the survival experience of groups of patients that differ with respect to sex, age, and period of observation.

An illustration of the effect of adjustment for "normal" mortality is provided by a comparison of the age specific observed and relative survival rates for patients with rectum cancer. Among persons under 45 years of age at diagnosis, "normal" survival expectation is high -- 95 percent will live more than ten years. In contrast, the "normal" survival expectation for persons over 75 years of age is much lower -- only 20 percent will live more than ten years.

NOTE: Definitions of "observed survival rate" and "relative survival rate" are from End Results in Cancer, Report No. 4, 1972.

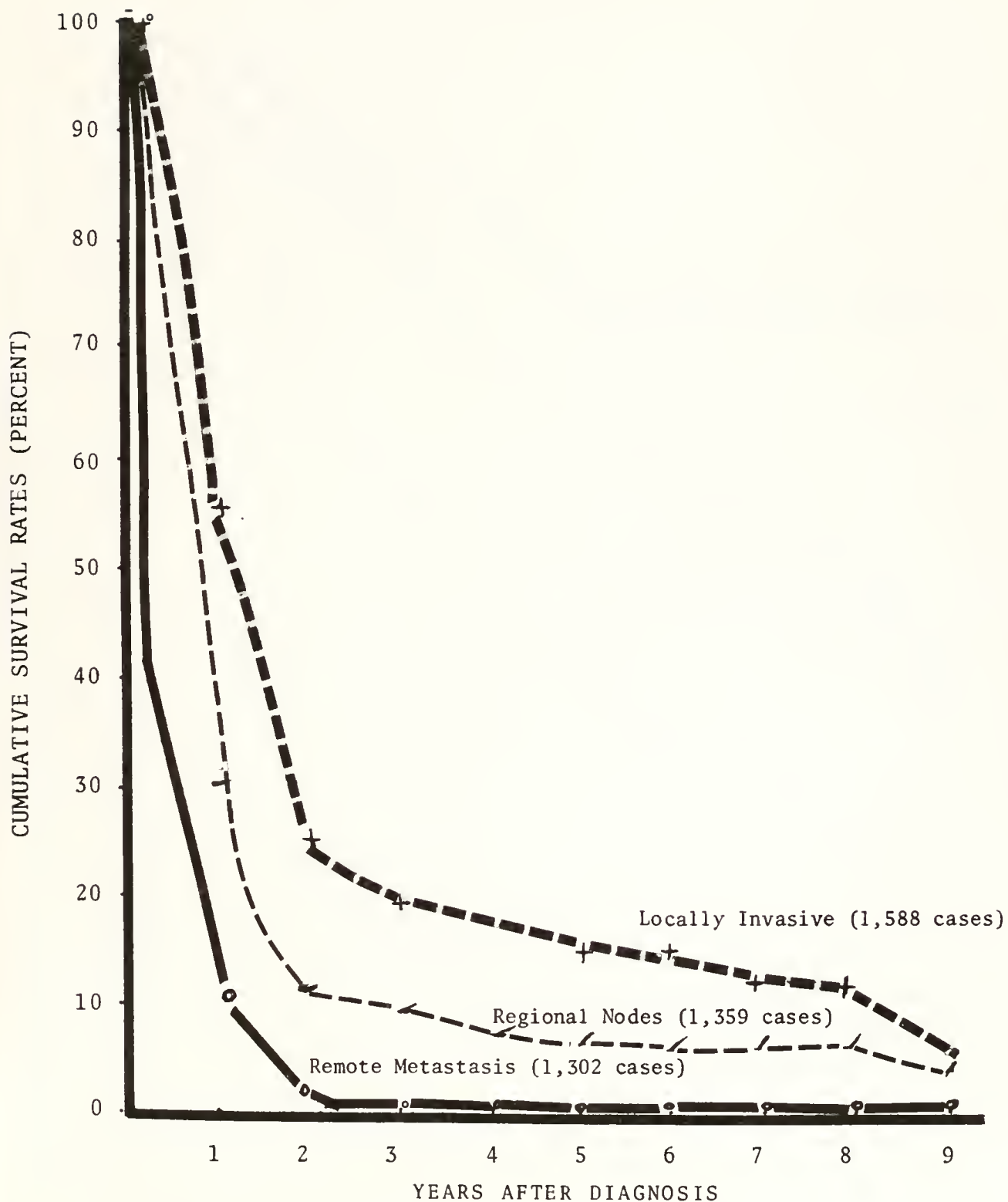


OBSERVED SURVIVAL RATES - LUNG CANCER

BY STAGE OF DISEASE AT DIAGNOSIS

N.C. CANCER REGISTRY HOSPITALS

1968 - 1975



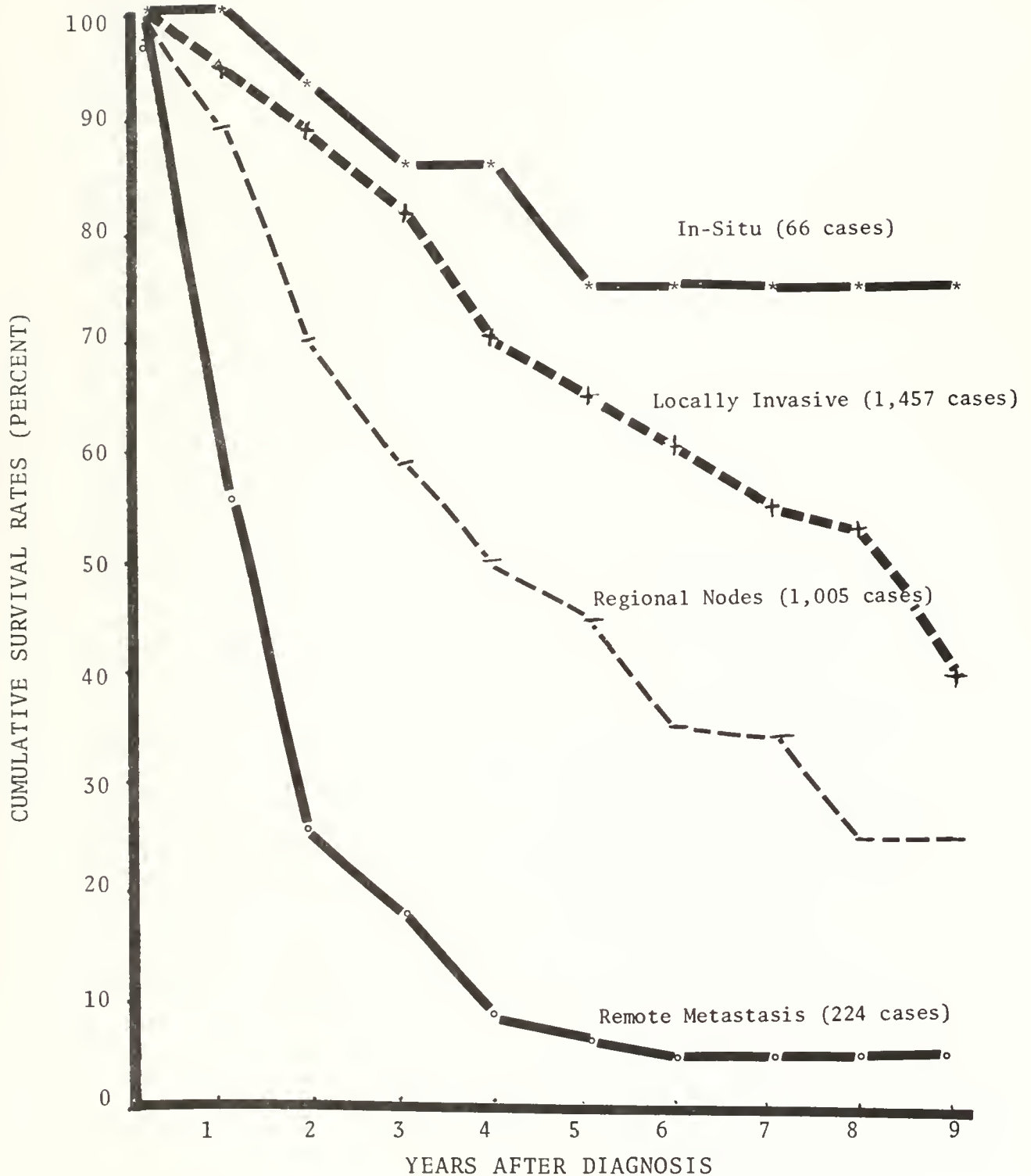
NOTE: CASES STAGED IN-SITU TOO SMALL FOR INCLUSION.

OBSERVED SURVIVAL RATES - BREAST CANCER

BY STAGE OF DISEASE AT DIAGNOSIS

N.C. CANCER REGISTRY HOSPITALS

1968 - 1975

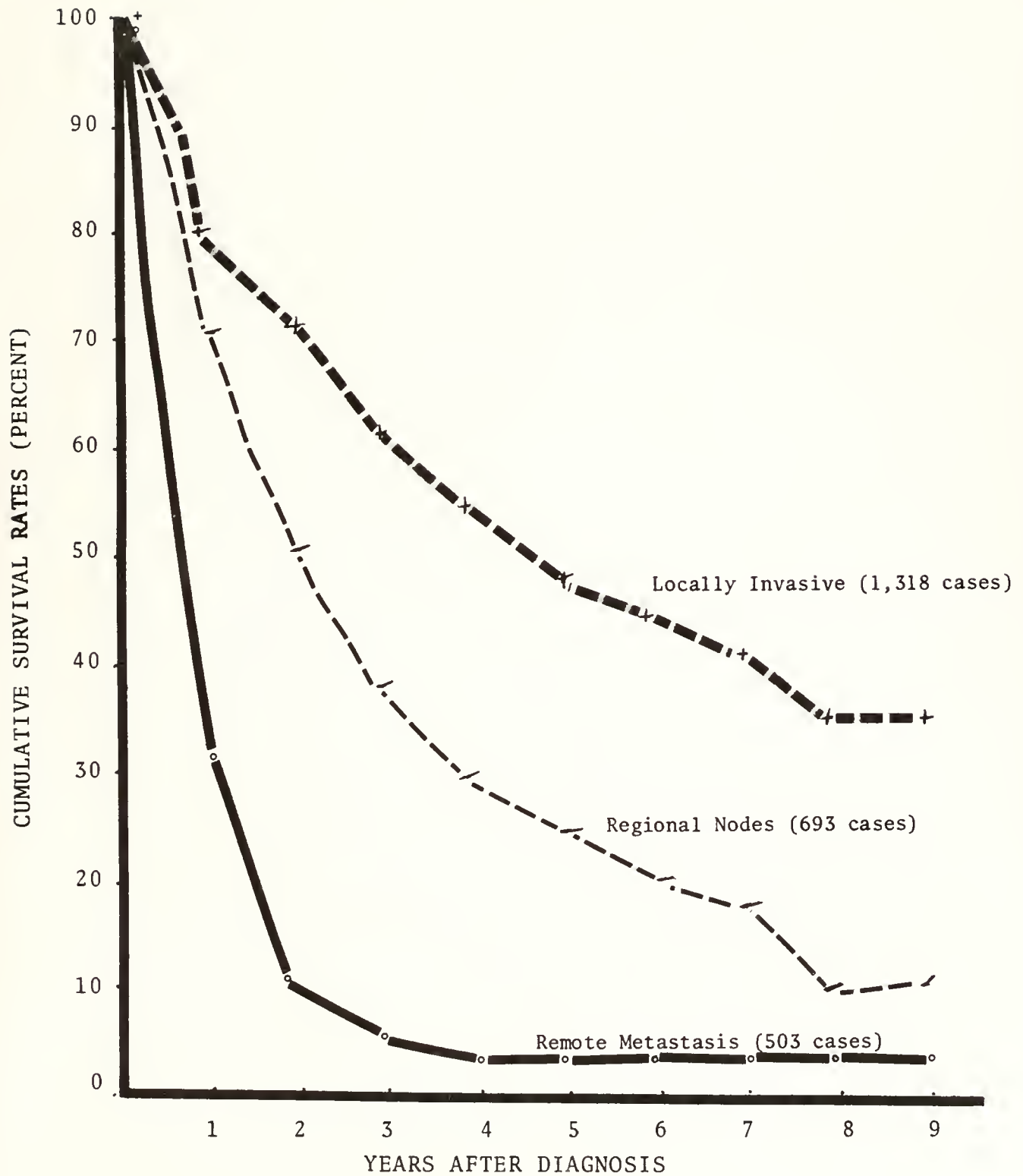


OBSERVED SURVIVAL RATES - COLON-RECTUM CANCER

BY STAGE OF DISEASE AT DIAGNOSIS

N.C. CANCER REGISTRY HOSPITALS

1968 - 1975

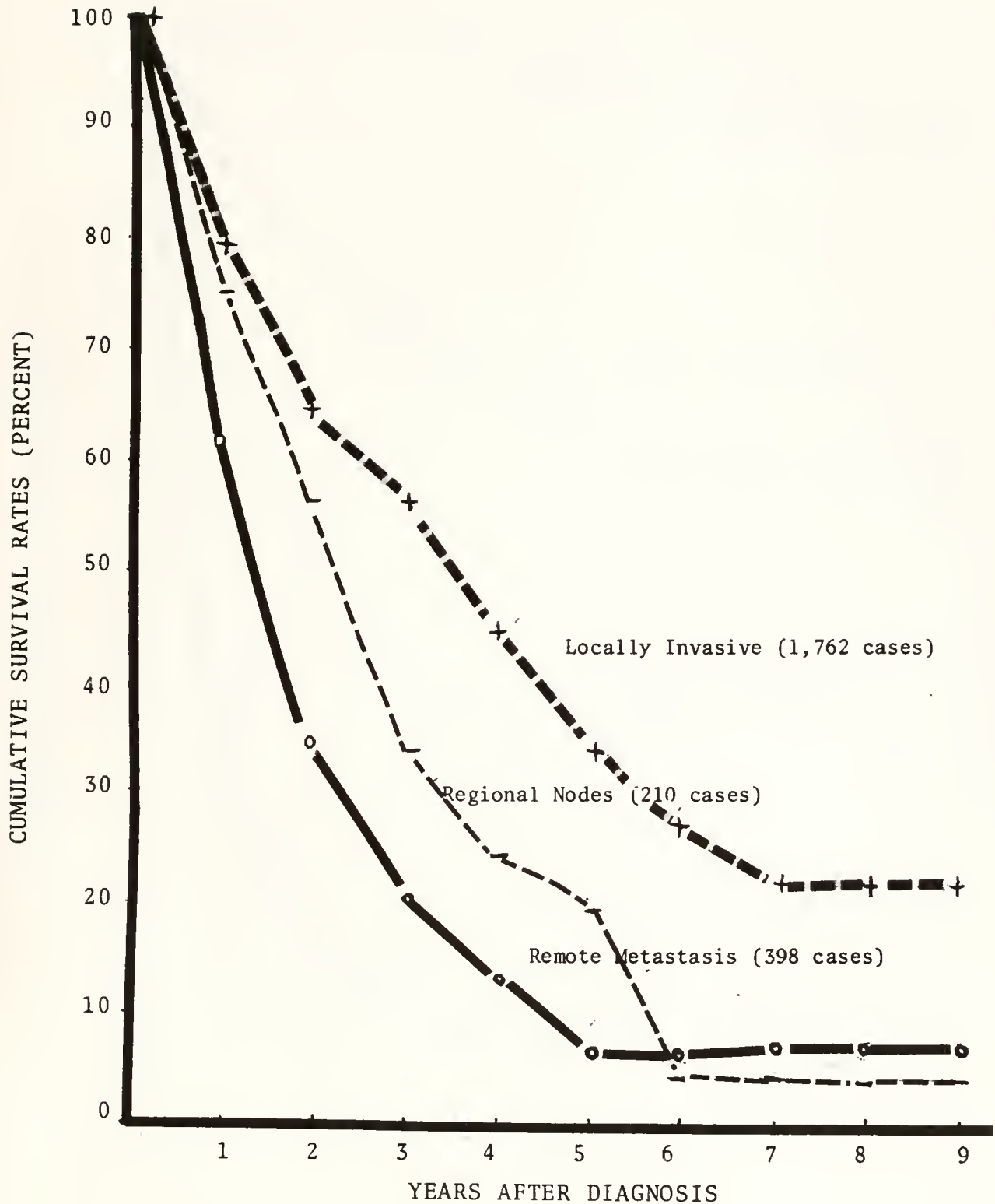


OBSERVED SURVIVAL RATES - CANCER OF PROSTATE

BY STAGE OF DISEASE AT DIAGNOSIS

N.C. CANCER REGISTRY HOSPITALS

1968 - 1975

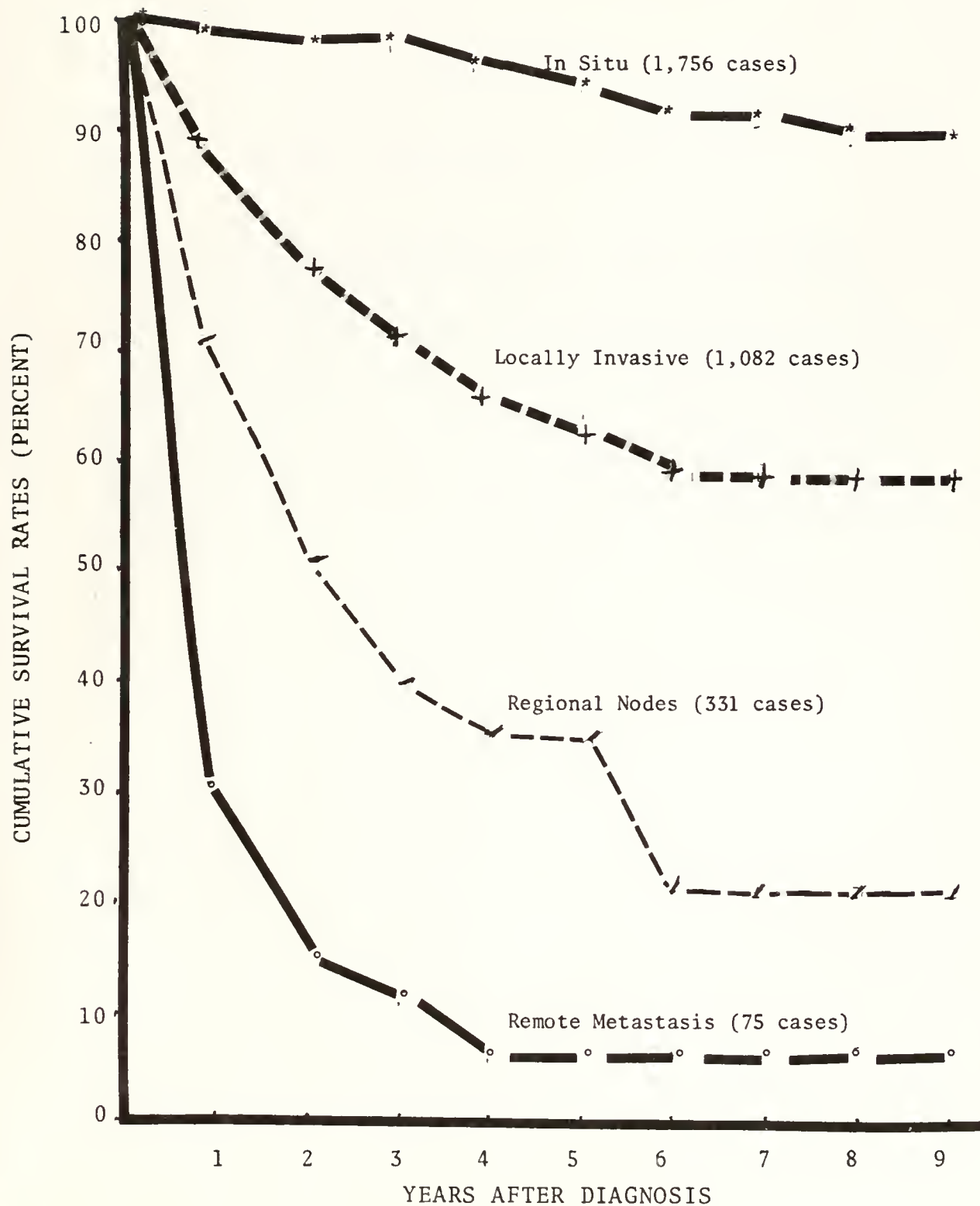


OBSERVED SURVIVAL RATES - CANCER OF CERVIX

BY STAGE OF DISEASE AT DIAGNOSIS

N.C. CANCER REGISTRY HOSPITALS

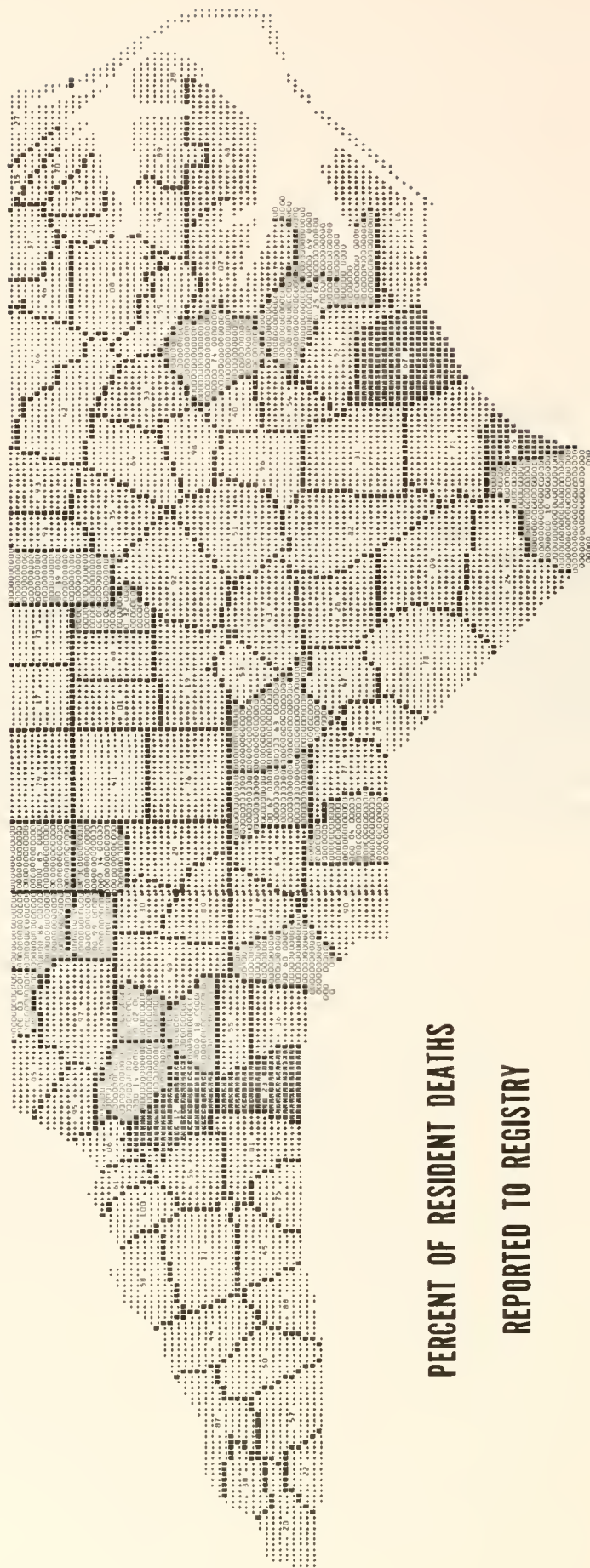
1968 - 1975



1975 CANCER DEATHS ENTERED IN CENTRAL REGISTRY

The proportion of the counties' cancer fatalities registered with the central tumor registry indicates the completeness of cancer registration. Mapping these proportions demonstrates the low uniformity of registration across the state. Counties with high rates of registration -- Burke, Cleveland, New Hanover, and Onslow have a tumor registry hospital which is distant from competing non-registry forces of cancer care. The low rates of registration in the far northeast and the southwest probably represent a combination of few registry hospitals and the referral of cancer patients to hospitals in Virginia, Tennessee, and Georgia. None of the other counties with a registration rate of less than 20 percent contains a tumor registry hospital, which is the likely explanation of the low rate.

1975 CANCER DEATHS ENTERED IN CENTRAL REGISTRY



PERCENT OF RESIDENT DEATHS

REPORTED TO REGISTRY

00 - 20 40 - 59

20 - 39 60 - 85

CANCER REGISTRY ABSTRACT
Division of Health Services
P.O. Box 2091, Raleigh, N. C. 27602

NAME: Last		First		Middle		Maiden		Social Security Number	
ADDRESS: Street No./RFD		City		County		State		Hospital File Number	
PLACE OF BIRTH: County		State		DATE OF BIRTH: Month		Day		Year	
AGE:		RACE: <input type="checkbox"/> 1-white <input type="checkbox"/> 3-Indian <input type="checkbox"/> 2-Negro <input type="checkbox"/> 4-other		SEX: <input type="checkbox"/> 1-male <input type="checkbox"/> 2-female		STATUS OF MENOPAUSE: <input type="checkbox"/> 1-premenopause <input type="checkbox"/> 2-postmenopause			
EDUCATION: (circle highest grade completed)		elementary		high school		college			
		0 1 2 3 4 5 6 7 8		1 2 3 4		1 2 3 4 or 5+			
DATE OF ADMISSION: Month		Day		Year		DATE OF DISCHARGE: Month		Day	
HOW LONG HAS PATIENT HAD THESE SYMPTOMS:		no. of months		<input type="checkbox"/> no symptoms <input type="checkbox"/> unknown					
WAS THIS CANCER POSITIVELY DIAGNOSED BEFORE THIS ADMISSION:		<input type="checkbox"/> 0-No <input type="checkbox"/> 1-Yes		If Yes, specify where and date					
HAS PATIENT BEEN PREVIOUSLY TREATED FOR THIS CANCER:		<input type="checkbox"/> 0-No <input type="checkbox"/> 1-Yes		If Yes, specify where and date					
DIAGNOSIS ON DISCHARGE:								Date of Initial Diagnosis	
								Diagnosis Code (ICDA-8)	
STAGE OF DISEASE:		<input type="checkbox"/> 1-in situ <input type="checkbox"/> 2-locally invasive		<input type="checkbox"/> 3-regional nodes <input type="checkbox"/> 4-remote metastasis		<input type="checkbox"/> 5-diffuse disease			
BASIS OF DIAGNOSIS:		<input type="checkbox"/> 1-gross autopsy <input type="checkbox"/> 2-histology		<input type="checkbox"/> 3-cytology <input type="checkbox"/> 4-X ray		<input type="checkbox"/> 5-clinical & other			
HISTOLOGICAL DIAGNOSIS:								Histology Code (ACS)	
EXFOLIATIVE CYTOLOGY:								Cytology Code	
DATE		TREATMENT, DESCRIBE:				DATE			
		<input type="checkbox"/> Surgery (All procedures, including biopsy)						<input type="checkbox"/> Chemotherapy	
								<input type="checkbox"/> Steroid/Hormone	
		<input type="checkbox"/> Pre-Operative Radiation						<input type="checkbox"/> Other	
		<input type="checkbox"/> Post-Operative Radiation						<input type="checkbox"/> No Treatment (specify reason)	
								<input type="checkbox"/> Patient Refused	
PATIENT ALIVE:		<input type="checkbox"/> 1-no evidence of cancer <input type="checkbox"/> 2-not free of cancer		PATIENT DEAD:		<input type="checkbox"/> 5-initial cancer <input type="checkbox"/> 6-other, cancer present <input type="checkbox"/> 7-other, free of cancer			
IF DEAD, DATE: Month		Day		Year		AUTOPSY		<input type="checkbox"/> 0-no <input type="checkbox"/> 1-yes <input type="checkbox"/> 9-unknown	

Name of person submitting report

Name of attending physician

Date of report

ANNUAL FOLLOW-UP REPORT TO DETERMINE SURVIVAL OF CANCER REGISTRY PATIENTS

Name of Patient:

File No.:

Birthdate:

Race:

Sex:

Diagnosis Code (ICDA):

Year Discharged:

Physician:

Date of last reported contact:

* * * * *

Physician: please complete and
return to:Cancer Registrar: please return within
30 days to:CENTRAL CANCER REGISTRY
DIVISION OF HEALTH SERVICES
P.O. BOX 2091
RALEIGH, N. C. 27602

PATIENT ALIVE

Status:

- ☐ 1—Without evidence of cancer
☐ 2—With persistence of cancer
☐ 3—Alive, cancer status unknown

Quality of survival, due to cancer:

- ☐ 1—Capable of normal activity, asymptomatic
☐ 2—Capable of normal activity, symptomatic
☐ 3—Unable to work
☐ 4—Severely disabled, terminal
☐ 9—Unknown

Disposition:

- ☐ 0—No additional therapy indicated
☐ 1—Additional therapy indicated

Date of last contact: — — / — — / — —

• Treatment since date of last reported contact:

Date

Codes

- ☐ Surgery —
☐ Radiation —
☐ Chemotherapy —
☐ Steroid/Hormone —
☐ Other —
☐ None
☐ Patient refused —
☐ Unknown

• Description:

PATIENT DEAD

Date of death: — — / — — / — —

Autopsy:

- ☐ 0—No
☐ 1—Yes
☐ 9—Unknown

• Cause of death:

- ☐ 5—Initial cancer
☐ 6—Other cause, cancer present
☐ 7—Other cause, free of cancer
☐ 8—Other cause, cancer status unknown
☐ 9—Unknown cause of death

If this patient is no longer under your care, please provide name and address of physician or hospital presently caring
for patient or patient's present address.IF YOU ARE UNABLE TO COMPLETE THIS REPORT, MAY WE HAVE YOUR SIGNATURE BELOW AU-
THORIZING US TO QUERY THE PATIENT OR NEAREST OF KIN TO OBTAIN THIS INFORMATION FOR OUR
RECORDS._____
Authorization_____
Signature of cancer registrar

SECTION II

**TOTAL
REGISTRY
EXPERIENCE**

1975 COMBINED HOSPITAL REPORT

The following report is a detailed summary of the 4,874 1975 cancer cases accessed to the Registry from participating hospitals.

The number of cases is listed by primary site, race, sex, mean age, the number and percentage of cases in which the diagnosis was microscopically confirmed, stage, course of treatment and condition of patient on discharge.

Hospital staff members wishing to compare in detail any portion of their individual hospital cancer experience with this report are encouraged to request appropriate data from the Cancer Registry. Requests should be channeled through the hospital's liaison physician or cancer registrar.

CASES ACCESSED TO NORTH CAROLINA CANCER REGISTRY

TOTAL REGISTRY HOSPITALS, 1975

PRIMARY SITE	TOTAL	RACE AND SEX					MEAN AGE	HISTOLOGICAL DIAGNOSES	
		WM	NWM	WF	NWF	UNK		NUM- BER	PER- CENT
TOTAL, ALL SITES	4786	2050	531	1766	437	2	58.8	4229	88.4
BUCCAL CAVITY AND PHARYNX	206	130	31	40	5	0	58.9	196	95.1
140 LIP	26	21	1	4	0	0	59.7	26	100.0
141 TONGUE	26	18	2	6	0	0	60.7	25	96.2
142 SALIVARY GLAND	14	8	1	4	1	0	56.2	14	100.0
143-149 OTHER BUCCAL	140	83	27	26	4	0	58.7	131	93.6
DIGESTIVE ORGANS AND PERITONEUM	821	344	121	277	78	1	64.3	747	91.0
150 ESOPHAGUS	77	34	27	10	6	0	61.4	71	92.2
151 STOMACH	92	37	29	19	7	0	64.6	84	91.3
152 SMALL INTESTINE, INCLUDING DUODENUM	12	7	1	4	0	0	60.3	12	100.0
153 LARGE INTESTINE, EXCEPT RECTUM	348	150	25	137	35	1	65.2	317	91.1
154 RECTUM & RECTOSIGMOID JUNCTION	146	53	19	61	13	0	64.6	138	94.5
155 LIVER & INTRAHEPATIC BILE DUCTS	17	8	1	4	4	0	55.8	16	94.1
156 GALLBLADDER AND BILE DUCTS	19	7	1	9	2	0	62.9	18	94.7
157 PANCREAS	104	48	17	31	8	0	65.5	85	81.7
158,159 OTHER DIGESTIVE	6	0	1	2	3	0	52.5	6	100.0
RESPIRATORY SYSTEM	837	565	134	124	14	0	60.3	660	78.9
161 LARYNX	75	54	15	6	0	0	61.4	75	100.0
162 TRACHEA, BRONCHUS, & LUNG	749	503	118	114	14	0	60.0	573	76.5
160,163 OTHER RESPIRATORY	13	8	1	4	0	0	68.1	12	92.3
BONE, CONNECTIVE TISSUE, SKIN, & BREAST	701	77	10	507	106	1	56.3	657	93.7
170 BONE	16	8	2	5	1	0	36.4	15	93.8
171 CONNECTIVE & OTHER SOFT TISSUE	29	16	6	4	3	0	48.7	28	96.6
172 MELANOMA OF SKIN	89	51	2	33	2	1	50.7	85	95.5
174 BREAST	567	2	0	465	100	0	58.2	529	93.3
FEMALE GENITAL ORGANS	642	0	0	476	166	0	48.4	626	97.5
180 CERVIX UTERI	397	0	0	264	133	0	42.3	390	98.2
182.0 CORPUS UTERI	141	0	0	124	17	0	58.9	136	96.5
183 OVARY, FALLOPIAN TUBE, BROAD LIGAMENT	72	0	0	61	11	0	57.2	69	95.8
181,182,2,184 OTHER FEMALE GENITAL	32	0	0	27	5	0	58.3	31	96.9
MALE GENITAL ORGANS	496	348	148	0	0	0	68.6	443	89.3
185 PROSTATE	459	314	145	0	0	0	70.9	407	88.7
186,187 OTHER MALE GENITAL	37	34	3	0	0	0	40.5	36	97.3
URINARY ORGANS	288	184	22	66	16	0	62.0	272	94.4
188 BLADDER	184	126	13	38	7	0	64.6	175	95.1
189.0 KIDNEY, EXCEPT PELVIS	77	46	7	16	8	0	54.7	70	90.9
189,1,189,2,189,9 OTHER URINARY	27	12	2	12	1	0	64.5	27	100.0
OTHER AND UNSPECIFIED SITES	374	186	25	142	21	0	54.9	304	81.3
190 EYE	14	9	1	4	0	0	52.0	14	100.0
191,192 BRAIN & NERVOUS SYSTEM	139	73	6	54	6	0	49.6	115	82.7
193 THYROID GLAND	42	17	0	21	4	0	44.2	39	92.9
194 OTHER ENDOCRINE GLANDS	6	4	0	2	0	0	48.5	4	66.7
195,199 ALL-DEFINED & UNSPECIFIED SITES	173	83	18	61	11	0	62.3	132	76.3
LYMPHATIC AND HEMATOPOIETIC TISSUE	421	216	40	134	31	0	55.1	324	77.0
201 HODGKINS DISEASE	55	34	4	16	1	0	42.7	53	96.4
203 MULTIPLE MYELOMA	64	24	15	13	12	0	61.3	52	81.3
204-207 LEUKEMIAS	143	71	15	51	6	0	53.8	97	67.8
200,202,208,209 OTHER LYMPHATIC	159	87	6	54	12	0	58.1	122	76.7

TOTAL REGISTRY HOSPITALS, 1975

STAGE OF DISEASE						TREATMENT							CONDITION ON DISCHARGE		
IN SITU	LOC INV	REG NODES	REM MET	DIFF DIS	UNK	SUR-GERY	RAD	CHEMO	HORM	S&R	OTH COMB	NONE	NO EVID	NOT FREE	DEAD
324	2006	883	1151	366	1	1881	621	269	144	342	740	789	1506	2885	395
4	99	68	35	0	0	89	55	2	0	31	4	25	78	116	12
1	18	6	1	0	0	22	1	1	0	1	0	1	20	5	1
0	16	9	1	0	0	13	8	0	0	4	0	1	10	15	1
0	9	3	2	0	0	9	0	0	0	4	0	1	9	4	1
3	56	50	31	0	0	45	46	1	0	22	4	22	39	92	9
9	286	248	277	0	1	408	57	65	5	17	52	217	220	492	109
1	28	24	24	0	0	13	37	2	0	5	2	18	6	58	13
0	21	37	33	0	1	38	1	8	1	2	5	37	11	62	19
0	6	5	1	0	0	10	0	1	0	0	0	1	6	6	0
7	131	101	109	0	0	228	5	23	1	5	30	56	127	194	27
1	69	43	33	0	0	102	6	9	1	4	7	17	64	68	14
0	10	2	5	0	0	1	0	5	0	0	1	10	0	14	3
0	9	4	6	0	0	10	0	2	0	0	2	5	5	12	2
0	11	30	63	0	0	6	8	15	2	0	5	68	1	73	30
0	1	2	3	0	0	0	0	0	0	1	0	5	0	5	1
2	316	220	299	0	0	191	280	46	11	48	70	191	132	593	112
0	60	14	1	0	0	33	20	2	0	10	0	10	36	37	2
2	250	204	293	0	0	152	257	44	11	36	69	180	94	547	108
0	6	2	5	0	0	6	3	0	0	2	1	1	2	9	2
16	339	206	140	0	0	393	25	25	13	84	134	27	337	339	25
0	9	4	3	0	0	5	2	0	0	3	3	3	3	12	1
1	20	0	8	0	0	19	0	3	0	3	2	2	16	11	2
5	52	15	17	0	0	64	0	6	1	2	12	4	51	36	2
10	258	187	112	0	0	305	23	16	12	76	117	18	267	280	20
278	258	49	57	0	0	363	97	22	2	64	31	63	412	221	9
257	105	21	14	0	0	277	68	0	0	8	3	41	300	95	2
14	112	8	7	0	0	45	22	1	1	47	8	17	77	63	1
0	21	15	36	0	0	21	1	20	1	8	18	3	15	52	5
7	20	5	0	0	0	20	6	1	0	1	2	2	20	11	1
5	334	26	131	0	0	139	19	1	87	26	188	36	126	348	22
4	312	17	126	0	0	126	19	0	87	13	178	36	113	324	22
1	22	9	5	0	0	13	0	1	0	13	10	0	13	24	0
9	198	38	43	0	0	203	8	3	3	26	15	30	146	131	11
8	144	19	13	0	0	138	7	2	1	16	1	19	99	77	8
0	40	11	26	0	0	46	0	1	2	8	11	9	35	40	2
1	14	8	4	0	0	19	1	0	0	2	3	2	12	14	1
1	176	28	169	0	0	86	37	35	10	41	70	95	45	277	52
1	9	2	2	0	0	9	1	2	0	0	1	1	10	4	0
0	133	1	5	0	0	31	7	0	8	28	49	16	7	112	20
0	31	7	4	0	0	29	2	0	0	4	3	4	26	14	2
0	2	1	3	0	0	1	0	1	0	0	3	1	2	4	0
0	1	17	155	0	0	16	27	32	2	9	14	73	0	143	30
0	0	0	0	366	0	9	43	70	13	5	176	105	10	368	43
			*SEE BELCW			2	13	2	0	1	22	15	4	50	1
0	0	0	0	64	0	1	2	2	2	0	49	8	1	59	4
0	0	0	0	143	0	0	3	48	7	0	42	43	1	113	29
0	0	0	0	159	0	6	25	18	4	4	63	39	4	146	9

*THE TOTAL STAGE OF DISEASE BREAKDOWN DOES NOT INCLUDE CASES OF HODGKIN'S DISEASE, WHICH ARE STAGED ACCORDING TO CLINICAL CLASSIFICATION.

STAGE	NUMBER	STAGE	NUMBER
1	10	6	8
2	1	7	2
3	5	8	16
4	2	UNK	5
5	6		

1968-1975 COMBINED HOSPITAL REPORT

The following report represents a detailed summary of all the cases accessed to the Cancer Registry from its beginning in 1968 through 1975.

The number of cases is listed by primary site, race, sex, mean age, number and percentage of cases in which diagnosis was microscopically confirmed, stage, course of treatment, and condition on discharge.

CASES ACCESSED TO NORTH CAROLINA CANCER REGISTRY

TOTAL REGISTRY HOSPITALS, 1968 - 1975

PRIMARY SITE	TOTAL	RACE AND SEX					MEAN AGE	HISTOLOGICAL DIAGNOSES	
		WM	NWM	WF	NWF	UNK		NUM- BER	PER- CENT
TOTAL, ALL SITES	40886	16176	4607	15359	4586	158	57.1	36158	88.4
BUCCAL CAVITY AND PHARYNX	2004	1120	274	503	101	6	59.7	1940	96.8
140 LIP	212	182	5	21	4	0	58.9	208	98.1
141 TONGUE	323	170	57	79	16	1	59.2	308	95.4
142 SALIVARY GLAND	176	70	16	67	23	0	57.7	175	99.4
143-149 OTHER BUCCAL	1293	698	196	336	58	5	60.2	1249	96.6
DIGESTIVE ORGANS AND PERITONEUM	6508	2603	984	2220	675	26	63.1	5707	87.7
150 ESOPHAGUS	663	283	222	101	53	4	60.7	591	89.1
151 STOMACH	794	332	211	173	77	1	63.7	699	88.0
152 SMALL INTESTINE, INCLUDING DUODENUM	97	45	7	34	10	1	60.8	86	88.7
153 LARGE INTESTINE, EXCEPT RECTUM	2482	934	223	1047	269	9	64.3	2245	90.5
154 RECTUM & RECTOSIGMOID JUNCTION	1179	478	139	442	118	3	62.8	1102	93.5
155 LIVER & INTRAHEPATIC BILE DUCTS	172	72	34	44	22	0	57.1	135	78.5
156 GALLBLADDER AND BILE DUCTS	176	54	9	90	22	1	64.1	157	89.2
157 PANCREAS	866	382	132	256	90	6	63.4	618	71.4
158,159 OTHER DIGESTIVE	79	23	8	33	14	1	55.5	74	93.7
RESPIRATORY SYSTEM	6566	4394	1170	802	162	38	59.9	5200	79.2
161 LARYNX	768	572	136	48	10	2	59.9	747	97.3
162 TRACHEA, BRONCHUS, & LUNG	5573	3706	991	706	134	36	60.0	4251	76.3
160,163 OTHER RESPIRATORY	225	116	43	48	18	0	57.3	202	89.8
BONE, CONNECTIVE TISSUE, SKIN, & BREAST	5882	734	98	4173	850	27	54.7	5480	93.2
170 BONE	245	112	39	65	29	0	35.9	224	91.4
171 CONNECTIVE & OTHER SOFT TISSUE	347	169	37	107	32	2	49.2	337	97.1
172 MELANOMA OF SKIN	854	422	13	400	14	5	50.0	809	94.7
174 BREAST	4436	31	9	3601	775	20	57.1	4110	92.7
FEMALE GENITAL ORGANS	6523	0	0	4444	2060	19	48.5	6239	95.6
180 CERVIX UTERI	4338	0	0	2610	1719	9	43.8	4163	96.0
182.0 CORPUS UTERI	1065	0	0	898	159	8	60.4	1027	96.4
183 OVARY, FALLOPIAN TUBE, BROAD LIGAMENT	735	0	0	629	105	1	54.2	680	92.5
181,182.9,184 OTHER FEMALE GENITAL	385	0	0	307	77	1	57.1	369	95.8
MALE GENITAL ORGANS	3689	2493	1193	0	0	3	67.5	3236	87.7
185 PROSTATE	3369	2225	1142	0	0	2	70.2	2922	86.7
186,187 OTHER MALE GENITAL	320	268	51	0	0	1	38.9	314	98.1
URINARY ORGANS	2179	1331	179	527	139	3	61.3	1982	91.0
188 BLADDER	1312	838	106	295	70	3	64.6	1242	94.7
189.0 KIDNEY, EXCEPT PELVIS	650	365	59	169	57	0	54.3	539	82.9
189.1,189.2,189.9 OTHER URINARY	217	128	14	63	12	0	62.8	201	92.6
OTHER AND UNSPECIFIED SITES	3618	1642	329	1318	308	21	51.8	3096	85.6
190 EYE	137	68	10	54	5	0	47.6	130	94.9
191,192 BRAIN & NERVOUS SYSTEM	1323	650	91	489	77	16	45.1	1142	86.3
193 THYROID GLAND	359	91	10	209	49	0	43.9	340	94.7
194 OTHER ENDOCRINE GLANDS	160	71	18	48	23	0	41.1	130	81.3
195,199 ILL-DEFINED & UNSPECIFIED SITES	1639	762	200	518	154	5	60.3	1354	82.6
LYMPHATIC AND HEMATOPOIETIC TISSUE	3917	1859	380	1372	291	15	52.3	3278	83.7
201 HODGKINS DISEASE	631	323	57	211	38	2	40.6	589	93.3
203 MULTIPLE MYELOMA	543	198	105	156	81	3	63.6	407	75.0
204-207 LEUKEMIAS	1347	665	124	471	84	3	49.8	1064	79.0
200,202,208,209 OTHER LYMPHATIC	1396	673	94	534	88	7	55.5	1218	87.2

TOTAL REGISTRY HOSPITALS, 1968 - 1975

STAGE OF DISEASE						TREATMENT								CONDITION ON DISCHARGE		
IN SITU	LOC INV	REG NCDES	REM MET	DIFF DIS	UNK	SUR-GERY	RAD	CHEMO	HORM	S&R	OTH COMB	NONE	NO EVID	NOT FREE	DEAD	
2669	17332	7662	8812	3286	294	15134	6451	2335	1098	2839	5771	7258	13534	23730	3622	
41	1035	688	230	0	10	845	591	25	1	235	51	256	889	1021	94	
13	158	29	10	0	2	181	9	2	0	11	2	7	176	33	3	
4	176	108	33	0	2	128	101	3	0	33	10	48	138	166	19	
1	93	57	24	0	1	117	12	2	0	30	3	12	103	69	4	
23	608	494	163	0	5	419	469	18	1	161	36	189	472	753	68	
99	2585	1868	1929	0	27	3114	532	453	30	154	387	1838	1959	3575	974	
3	338	180	141	0	1	101	294	5	3	71	17	172	84	464	115	
8	199	318	265	0	4	331	38	69	5	13	39	299	142	517	135	
0	48	28	21	0	0	57	3	2	1	3	4	27	29	49	19	
51	1066	680	677	0	8	1689	34	165	3	25	200	366	1084	1166	232	
35	563	301	277	0	3	743	87	56	3	33	70	187	551	526	102	
0	74	29	65	0	4	13	1	29	2	0	8	119	5	97	70	
1	70	58	47	0	0	74	6	12	0	2	7	75	32	96	48	
1	204	255	401	0	5	84	55	105	12	1	36	573	19	605	242	
0	23	19	35	0	2	22	14	10	1	6	6	20	13	55	11	
48	2648	1909	1915	0	46	1414	2375	254	51	480	455	1537	1198	4564	804	
33	560	151	24	0	0	266	238	5	0	126	10	123	374	371	23	
14	1964	1709	1845	0	41	1088	2073	243	51	329	423	1366	778	4040	755	
1	124	49	46	0	5	60	64	6	0	25	22	48	46	153	26	
130	2665	1655	1425	0	7	3102	378	237	201	656	883	425	3027	2652	203	
2	152	37	54	0	0	85	44	11	1	23	32	49	85	148	12	
5	209	55	76	0	2	187	28	27	1	32	37	35	168	162	17	
44	469	132	208	0	1	574	15	61	2	7	107	88	520	310	24	
79	1835	1431	1087	0	4	2256	291	138	197	594	707	253	2254	2032	150	
2247	2826	714	712	0	24	3012	1589	210	20	448	380	864	3494	2892	137	
2140	1537	459	192	0	10	2320	1200	21	2	104	79	612	2575	1710	53	
52	832	74	103	0	4	340	261	11	14	244	80	115	540	507	18	
4	233	120	370	0	8	169	46	162	3	86	186	83	175	508	52	
51	224	61	47	0	2	183	82	16	1	14	35	54	204	167	14	
37	2469	355	812	0	16	1034	113	39	590	143	1373	397	1088	2355	246	
32	2280	296	745	0	16	903	92	25	589	62	1320	378	936	2194	239	
5	189	59	67	0	0	131	21	14	1	81	53	19	152	161	7	
51	1452	303	367	0	6	1364	134	25	20	227	173	236	1032	1026	121	
46	1008	164	93	0	1	927	81	11	2	136	43	112	676	572	64	
1	314	95	235	0	5	298	36	12	18	77	110	99	243	361	46	
4	130	44	39	0	0	139	17	2	0	14	20	25	113	93	11	
16	1652	370	1422	0	158	1100	355	266	55	350	564	928	671	2386	561	
6	102	11	16	0	2	88	6	9	0	11	10	13	84	52	1	
6	1144	84	80	0	9	530	93	24	19	220	254	183	253	866	204	
4	215	101	38	0	1	222	15	1	3	26	55	37	228	118	13	
0	121	16	23	0	0	40	19	5	7	13	58	18	73	73	14	
0	70	158	1265	0	146	220	222	227	26	80	187	677	33	1277	329	
0	0	0	0	3286	0	149	384	826	130	146	1505	777	176	3259	482	
			*SEE BELOW			36	125	74	6	60	224	106	55	538	38	
0	0	0	0	543	0	13	33	82	23	9	312	71	13	471	59	
0	0	0	0	1347	0	5	22	467	68	0	458	327	27	1049	271	
0	0	0	0	1396	0	95	204	203	33	77	511	273	81	1201	114	

*THE TOTAL STAGE OF DISEASE BREAKDOWN DOES NOT INCLUDE CASES OF HODGKIN'S DISEASE, WHICH ARE STAGED ACCORDING TO CLINICAL CLASSIFICATION.

STAGE	NUMBER	STAGE	NUMBER
1	71	6	78
2	11	7	20
3	72	8	122
4	26	UNK	184
5	47		

STATE LIBRARY OF NORTH CAROLINA



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